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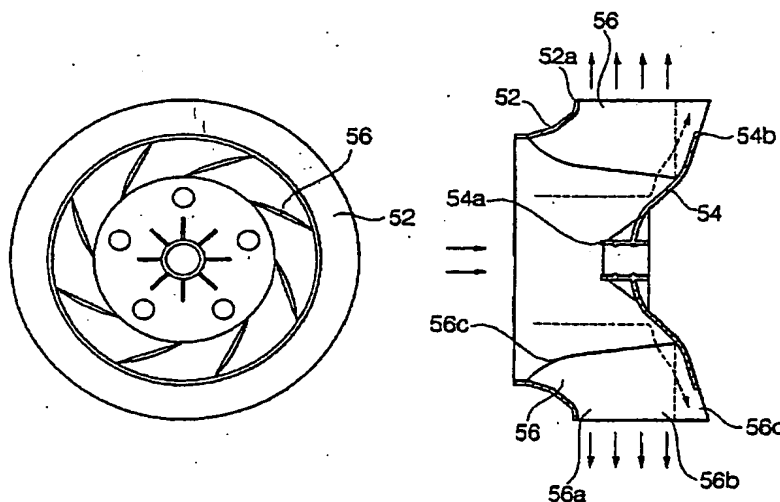
TURBO FAN

Representative drawing

(57) Abstract:

PURPOSE: A turbo fan is provided to reduce air resistance generated by that air flowed through a shroud collides with the circumferential end of a hub, and improve blowing efficiency of the turbo fan.

CONSTITUTION: A turbo fan includes a shroud(52) installed inside a suction port of a scroll and forming a suction hole, a hub(54) opposite to the shroud maintaining a regular gap with the shroud and connected with a shaft of a motor, a plurality of blades(56) installed between the shroud and the hub to guide air flowed through the shroud to circumferential direction of the turbo fan, wherein an inclined curve is formed at the circumferential end(54a) of the hub to reduce air resistance generated by that air flowed through the shroud collides with the circumferential end of the hub; and an extended part(56d) is formed at the hub side end(56b) of the blade to form a curve extended from the hub side end of the blade, so that air passed circumferential end of the hub is guided to the circumference of the fan.



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